

**CLAIMS**

1. An antenna, characterized therein that it is spheroidal.
2. The antenna as claimed in Claim 1, characterized therein that it has a winding that is spheroidally configured.
3. The antenna as claimed in Claim 2, characterized therein that the winding comprises a three-dimensional spiral about an axis, the radius of turns of the winding progressively increasing and then decreasing.
4. The antenna as claimed in Claim 2, characterized therein that the winding is of a multi-solenoid conductor.
5. The antenna as claimed in Claim 2, characterized therein that the winding is composite, comprising a primary conductor with a secondary conductor wound toroidally about the primary conductor.
6. The antenna as claimed in Claim 5, characterized therein that the primary conductor is a multi-solenoid conductor.
7. The antenna as claimed in Claim 5, characterized therein that the secondary conductor is a multi-solenoid conductor.
8. The antenna as claimed in Claim 2, characterized therein that it has a plurality of windings, each winding having a start and an end.
9. The antenna as claimed in Claim 8, characterized therein that turns of a first winding are laterally adjacent the turns of a second winding.

10. The antenna as claimed in Claim 8, characterized therein that it has a plurality of layers.
11. The antenna as claimed in Claim 10, characterized therein that the turns of a winding in a first layer are at an angle to turns of a super-adjacent second layer.
12. The antenna as claimed in any one of Claims 2 to 11, characterized therein that it has a spheroidal former on which the or each winding is wound.
13. The antenna as claimed in Claim 12, characterized therein that the former is hollow.
14. An antenna substantially as described herein with reference to the accompanying drawings.